

WORLD'S DEEPEST WELL GOES TO 7248 FEET

During the past few years the Hope and the Peoples, both of Pennsylvania, have been drilling deep wells in northern West Virginia and southwestern Pennsylvania to find oil-bearing and gas-bearing strata. The deepest being to reach, in the case of the Peoples, the horizon of the rich sand of Ohio, which, according to the White, the state geologist of West Virginia, should be found in this region at depths between 7000 and 8000 feet.

The first exceptionally deep well thus drilled, the H. A. Geary well, of the Peoples Natural Gas Co., is about four miles northwest of McDonald, Pa., and about 20 miles southwest of Pittsburgh. The mouth of the well is about 1050 feet above sea level. The well penetrates the Gordon strata, the last of the usual gas sands in this region at a depth of 1973 feet. From this point to a depth of 6700 feet the strata penetrated are alternately "lime" and "slate" and from 6700 feet to the bottom, 7248 feet, they are "sand" and "lime" interbedded, with about 60 feet of rock salt. The second deep well was drilled by the Hope Natural Gas Co., on the farm of M. O. Goff, about eight miles northeast of Clarksburg, in northern West Virginia. Its mouth is 1184 feet above sea level. The well begins 200 feet below the level of the Pittsburgh coal and penetrates the usual oil-bearing and gas-bearing sands, the lowest being the Bayard, which lies at a depth of 2210 feet. The strata in the remainder of the well are alternately "lime" and "slate." The third deep well, the J. H. Lake, of the Hope Natural Gas Co., is about eight miles southeast of Fairmont, W. Va. It is about 20 miles north of the Goff well and about 60 miles south of the Geary well. The mouth of the well is about 1300 feet above sea level. The Bayard and the lowest of the gas sands was found in this well at a depth of 7070 feet. The remaining strata are alternately "lime," "slate" and "sand."

Named in order of depth, the four deepest wells in the world are the Lake, 7770 feet; the Goff, 7200; a well at Eschwege, Germany, 7248; and the Geary, 7248. The two deepest wells in the world are therefore the Lake and the Goff. The Lake surpasses the Geary well by the large margin of 572 feet. In comparison with these great depths, other depths reached by wells or mines sunk in the crust of the earth are rather insignificant. The deepest mine in the world is shaft No. 2 of the Tsumeb mine in South Africa, which has reached a depth of 2000 feet. Other shafts of the Tsumeb mine and of the Col-

the drill and a part of the cable may be lodged in the well in such a way that they cannot be removed. Exceptional skill is required, therefore, in operating the ponderous machinery used in drilling a well. The drill, which is a column of steel about 5 inches in diameter and 40 to 50 feet long, beveled to a V-shaped edge at the lower end, is attached to one end of the cable, and at some other point, determined by the driller, the cable is attached to a long beam, which is operated in the same manner as the walking beam of a steamboat. Merely to lift the drill through the height determined by the swing of the end of the walking beam and to let it drop repeatedly would do no drilling. In order to drill, oscillations must be induced in the cable, such as those set up by attaching a light weight to a suspended rubber band. A slight oscillation properly induced by the finger of the upper end of the rubber band will produce a very large oscillation of the weight attached to its lower end. In some such way as this the skilled driller produces oscillations in the drill bit, which throw the sharp beveled edge of the drill onto the rock with high velocity. The only means that the driller has of knowing the behavior of the drill is the general behavior of the machinery

and the slight impulses or tremors in the cable, which he detects by his hand alone.

The information obtained from drill holes carried to great depths is of exceptional economic and scientific importance. Although the wells drilled by the Hope Natural Gas Co. and the Peoples Natural Gas Co. have not yet reached the goal sought—a depth of 8000 feet—they have nevertheless come within 427 feet of the goal, and incidentally they have established the fact that no valuable deposits of oil exist in the immediate vicinity of the wells at depths somewhat greater than 7000 feet.

NO ACTION TAKEN ON ELY TRAIN SERVICE

CARSON CITY, Aug. 19.—The state railroad commission took no action in the Nevada Northern railroad situation yesterday and Chairman Shaughnessy said nothing will be done till the result of Governor Boyle's conference with D. C. Jackson is announced. Commissioner Shaughnessy said he had received encouraging reports from Governor Boyle relative to the progress of the conference between the governor and the railroad situation.

FRISCO READY FOR THE FLEET

By Associated Press.
SAN FRANCISCO, Aug. 19.—Sailors who dance will have plenty of opportunity to shake a sea leg during the reception to the Pacific fleet here.

The War Camp Community Service alone will give ten hotel dances for the men and one at the California club for the warrant officers.

Hope will be given by the Young Men's Institute, Knights of Columbus, Jewish Welfare Board and several other organizations. The culminating event will be the Alameda Ball at the great civic auditorium.

The Y. M. C. A. will erect a stage near the Embarcadero where movies will be shown nightly for the entertainment of the men waiting to go aboard their ships. Three or four sight-seeing buses will be maintained for the sailors night and day by the Y. M. C. A.

The negro personnel will be especially cared for by the negro committee of the Y. M. C. A.

The Salvation Army and many other bodies will keep open house. The Red Cross will send a steamer to meet the fleet, will provide re-

freshments for the men and arrange several entertainments.

Five thousand theater tickets will be given away daily.

It is said that the Kaiser's huge new almost snow white. Well he has it coming to him, and it is not a crown of honor, either.

MINE EQUIPMENT

Laidlaw Compressors—all sizes

Buffalo Forge Co. Blowers.
Moloney Electric Co. Transformers.

Hendrie-Bolthoff Electric Hoists

Bennis Bag Co. Canvas Air Pipe

Goodwin M. Trent

417 Sharon Bldg. San Francisco

Tonopah, Nevada

SEND US YOUR WORK BY MAIL

Reno Steam Laundry

We pay charges one way on work to the value of 50c or more

P. O. BOX 722

WE TRY TO DO OUR BEST

We make a specialty of out-of-town Orders at Reno prices

RENO, NEVADA

FRESH PORK

Wholesale and Retail Suckling Pigs, any age, delivered at your door

Victor Lambertucci Farm
P. O. Box 716 Phone 1494

Notice to Customers of Sewer Company

On and after July 1st the office of the Tonopah Sewer and Drainage Company will be located in Crumley Building, corner Erie-Main streets and Everett avenue, where all bills are payable.

TONOPAH SEWER & DRAINAGE COMPANY

WE MAKE A SPECIALTY OF

GOOD BREAD

AND OUR

PIES AND CAKES

CAN'T BE BEAT

VIENNA BAKERY

A. H. ELFTMAN

Consulting Geologist and Mining Engineer
406-407 State Bank Building, Tonopah, Nevada.
Phone Office, 3122; Res., 284.

UNITED PACKING & CATTLE COMPANY

Choicest Cuts of Beef, Pork, Veal and Mutton
FRUITS AND VEGETABLES

Phone 1162—Quick Delivery

Tonopah, Nev.

THE DESERT CLUB

Formerly Tonopah Liquor

Full Line of Soft Drinks
Club Room in Connection

Remodeled and Everything New

Chet. Carpenter C. T. Brown G. T. Osborne

Chicago Pneumatic Tool Co.

AIR COMPRESSORS
and
"HUMMER DRILLS"

Immediate Delivery From Tonopah Stock

One to Six Drill Compressors

Chicago Pneumatic Tool Co.

CAMPBELL & KELLY
Resident Agents

L. T. POCKMAN
Company Representative

JUST THE THING FOR THAT TIRED FEELING MAGNUS ROOT BEER

"It's Fine In The Stein"

REFRESHING, COOL AND APPETISING—YOU'LL LIKE IT

Full Line of Cigars and Tobacco on Hand

D. H. BUTLER

Next Door Tonopah Hardware Co. Tonopah, Nev.

Nevada First National Bank of Tonopah

CAPITAL, \$100,000

Tonopah Bottling Works

Phone 812

Manufacturers of Carbonated Beverages

Lemon Soda, Raspberry Soda, Iron Port, Cream Soda,
Hires Root Beer, Coca Cola, Strawberry Soda, Iron Beer,
Sarsaparilla, Cider, Mineral Water, Etc.

HALL BUILDING

TONOPAH, NEVADA



Pearl Oil in bulk costs less

Pearl Oil that you buy in bulk at your dealer's is the same high-quality kerosene as the Pearl Oil sold in five-gallon cans. There is a saving by buying in bulk. Order by name—Pearl Oil.

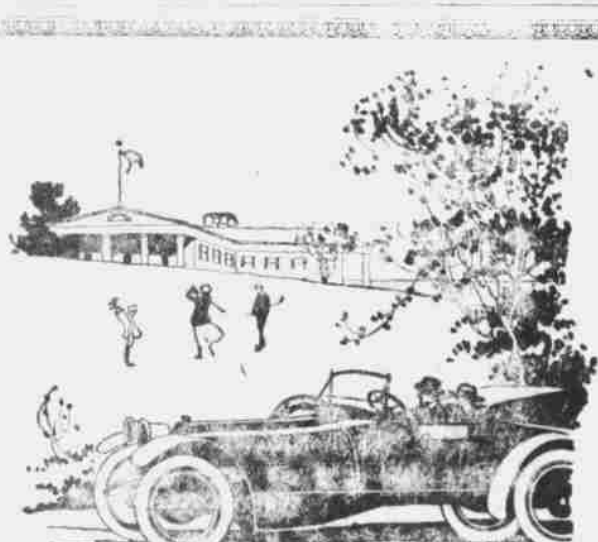
For year 'round kitchen comfort use a good oil cookstove and Pearl Oil. Bakes, broils, roasts, toasts—economically. Lights at the touch of a match. No waiting for fires to come up, no unnecessary work, no waste. Concentrates a steady heat on the cooking—leaving the kitchen cool and comfortable.

We recommend New Perfection
and Puritan Oil Cookstoves

PEARL OIL (KEROSENE) HEAT AND LIGHT

STANDARD OIL COMPANY
(CALIFORNIA)

B. M. ROSE, Special Agent, Standard Oil Co., Tonopah Nev



You Can Expect More From GOODYEAR TIRES

In satisfaction, in unswerving travel, in plain usefulness, they'll deliver—they are built to deliver just such a return on your investment.

Such tires are good for you to use. They will serve you as heartily and as loyally as tires can. They will yield you more for what you pay than is the rule.

As a traveling companion to a Goodyear Tire—A Goodyear Tube is the right kind of a tube to put inside your casing if you want it to deliver its maximum mileage.

We can tell you more about them.

Selling, Hosiery and Millinery
CAMPBELL & KELLY

MAIN STREET